

## COMPLIANCE MECHANISM FOR MANIPULATING A CONTROL OBJECT

### Abstract of the Disclosure

5           A compliance mechanism for manipulating a control object by an end  
effector supported by a robotic arm. The robotic arm is supported by a  
combination of linear slides for two-axis freedom of movement. A locking arm is  
attached to the robotic arm and the locking arm is moveable between a locked and  
an unlocked position. The locking arm is biased in the locked position to restrict  
10 movement of the robotic arm along the two axes. A plunger extends adjacent the  
end effector. Upon engagement with an alignment feature associated with the  
control object, the plunger moves the locking arm from the locked to the unlocked  
position, thereby introducing compliance along the two axes manipulation of the  
control object.